AMENDMENT TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-2 (Cancelled).

3 (Previously presented). A method of recording input packets, to which time stamps having values indicating times of arrival of the input packets are added, on a storage medium, comprising the steps of:

generating arrival time control clocks based on the time stamps and in synchronism with changes in the values of the time stamps;

forming tracks on the storage medium in sequence in response to reference control signals provided in synchronism with said arrival time control clocks; and

recording the packets to which said time stamps are added on the storage medium in order of arrivals of the packets so that each of the packets is recorded within a given area ranging from a reference position defined on one of the tracks corresponding to an arrival time of each of the packets to a given position away from the reference position at a preselected distance toward the following track.

4 (Original). A method of recording input packets on a storage medium as set forth in claim 3, wherein said recording step expands the packets in time to record them on the storage medium.

5-13 (Cancelled).

14-16 (Withdrawn).

17-19 (Cancelled).

20 (Currently Amended). A packet recording apparatus for recording input packets, to which time stamps having values indicating times of arrival of the input packets are added, on a storage medium, comprising:

clock generating means for generating arrival time control clocks based on the time stamps and in synchronism with changes in the values of the time stamps;

recording means for recording tracks on the storage medium in time sequence to record the packets to which said time stamps are added on the storage medium in order of arrivals of the packets so that each of the packets is recorded within a given area ranging from a reference position defined on one of the tracks corresponding to an arrival [[tune]] time of each of the packets to a given position away from the reference position at a preselected distance toward the following track; and

controlling means for controlling positions of the tracks formed on the storage medium in synchronism with said arrival time control clocks.

21 (Original). A packet recording apparatus as set forth in claim 20, wherein said reference position is a record-starting position defined on the one of the tracks.

22 (Previously presented). A packet recording apparatus for recording input packets, to which time stamps having values indicating times of arrival of the input packets are added, on a storage medium, comprising:

clock generating means for generating arrival time control clocks based on the time stamps and in synchronism with changes in the values of the time stamps;

recording means for recording tracks on the storage medium in time sequence to record the packets to which the time stamps are added on the storage medium in order of arrivals of the packets so that each of the packets is recorded within a given area ranging from a first position to a second position across a reference position, the reference position being defined on one of the tracks corresponding to an arrival time of each of the packets, the first and second positions being defined away from the reference position at preselected distances toward the tracks preceding and following the one of the tracks, respectively; and

controlling means for controlling positions of the tracks formed on the storage medium in synchronism with said arrival time control clocks.

23-24 (Withdrawn).

25-27 (Cancelled).

28-32 (Withdrawn).

33-37 (Cancelled).

38-44 (Withdrawn).

45 (Previously presented). A method of recording input packets, to which time stamps having values indicating times of arrival of the input packets are added, on a storage medium, comprising the steps of:

generating arrival time control clocks based on the time stamps and in synchronism with changes in the values of the time stamps;

forming tracks on the storage medium in sequence in response to reference control signals provided in synchronism with said arrival time control clocks; and

recording the packcts to which said time stamps are added on the storage medium in order of arrivals of the packets.

46 (Previously presented). A method of recording input packets on a storage medium as set forth in claim 45 comprising the step of adding said time stamps to said input packets.

47 (Previously presented). A packet recording apparatus for recording input packets, to which time stamps having values indicating times of arrival of the input packets are added, on a storage medium, comprising:

clock generating means for generating arrival time control clocks based on the time stamps and in synchronism with changes in the values of the time stamps;

recording means for recording tracks on the storage medium in time sequence to record the packets to which said time stamps are added on the storage medium in order of arrivals of the packets; and

controlling means for controlling positions of the tracks formed on the storage medium in synchronism with said arrival time control clocks.